



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph A. Zupanick et al.      Art Unit : 3673  
Serial No. : 10/003,917      Examiner : John J. Kreck  
Filed : November 1, 2001      Conf. No. : 7751  
Title : METHOD AND SYSTEM FOR SURFACE PRODUCTION OF GAS FROM A  
SUBTERRANEAN ZONE

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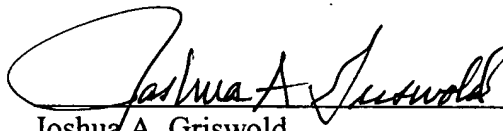
Commissioner for Patents  
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INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. A copy of a communication from a foreign patent office in a related application is also enclosed.

This filing is being made with the filing of a Request for Continued Examination. No fee is required. However, the Commissioner is hereby authorized to charge any deficiencies or other required fees or any credits to deposit account 06-1050, referencing the attorney docket number shown above.

Respectfully submitted,

  
Joshua A. Griswold  
Reg. No. 46,310

Date: March 1, 2007

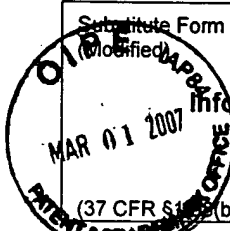
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 Substitute Form PTO-1449 (Modified) <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR § 1.102(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17601-019001	Application No. 10/003,917
	Applicant Joseph A. Zupanick et al.			
	Filing Date November 1, 2001		Group Art Unit 3673	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1	2,452,654	11/02/1948	E.P. Hayes et al.			
	A2	3,362,475	01/09/1968	J.L. Huitt et al.			
	A3	4,458,767	07/10/1984	Hoehn, Jr.			

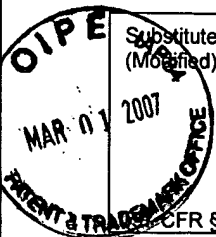
**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	B1	RU 2097536 C1	11/27/1997	Russia			Abstract Only	
	B2	RU 2136566 C1	09/10/1999	Russia			Y	
	B3	RU 2176311 C2	11/27/2001	Russia			Abstract Only	
	B4	RU 2179234 C1	02/10/2002	Russia			Y	
	B5	RU 2205935 C1	06/10/2003	Russia			Abstract Only	
	B6	SU 1448078 A1	12/30/1988	Russia			Y	
	B7	SU 1709076 A1	01/30/1992	Russia			Y	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	C1	Evaluation of Coalbed Methane Well Types in the San Juan Basin, prepared by Malkewicz Hueni Associates, Inc. for The Bureau of Land Management, March 2004, 23 pages
	C2	Robert William Chase, "Degasification of Coal Seams Via Vertical Boreholes: A Field and Computer Simulation Study," Thesis in Petroleum and Natural Gas Engineering, March 1980, 174 pages
	C3	L.Z. Shuck and J. Pasini III, "In Situ Gasification of Eastern Coals," presented at the proceedings of the Coal Processing and Conversion Symposium, June 1-3, 1976, Morgantown, West Virginia, 16 pages
	C4	Terry L. Logan, "Application of Medium Radius Horizontal Drainhole Drilling Technology for Underground Coal Gasification," presented at 13 <sup>th</sup> Annual Underground Coal Gasification Symposium, August 24-26, 1987, Laramie, Wyoming, 10 pages

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	


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 (Modified)

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CFR §1.98(b))

 Applicant  
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 3673

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	C5	S.R. Lindblom and V.E. Smith, "Rocky Mountain 1 Underground Coal Gasification Test," Hanna, Wyoming, Groundwater Evaluation, DOE Grant No. DE-FG21-88MC25038, Final Report, June 10, 1988 – June 30, 1993, 5 pages
	C6	Coal-Bed Methane: Potential and Concerns, U.S. Department of the Interior, U.S. Geological Survey, USGS Fact Sheet FS-123-00, October 2000, 2 pages
	C7	Horizontal and Multilateral Wells, Society of Petroleum Engineers, website: <a href="http://www.spe.org/spe/jsp/basic_pf/0,,1104_1714_1003974,00.html">http://www.spe.org/spe/jsp/basic_pf/0,,1104_1714_1003974,00.html</a> , printed December 27, 2006, 5 pages
	C8	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (7 pages), and Written Opinion of the International Searching Authority (7 pages) for International Application No. PCT/US2006/021057 dated January 4, 2007
	C9	I.D. Palmer, M.J. Mavor, J.L. Spitler and R.F. Volz, "Openhole Cavity Completions in Coalbed Methane Wells in the San Juan Basin," Journal of Petroleum Technology, Vol. 45, No. 11, November 1993, 11 pages
	C10	V.S. Orlov, et al., "Methods for Simultaneous Segregated Production from Multiple Formations Using Single Well," Series Petroleum Engineering, Moscow, Aurdioeogi, 1976, translated pages 6-11, 28-29 and 36-37, 15 pages
	C11	Kalinin A.G. et al., "Boring of Slanted and Horizontal Well Bores," Moskva, Nedra, 1997, pp. 453-458, Sections 11.2, 11.2.2, and 11.2.3, 10 pages

Examiner Signature	Date Considered
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